

**SYNTHESIS OF DOUBLE METAL CYANIDES
WITH NON-AQUEOUS SOLUTIONS**

ABSTRACT OF THE DISCLOSURE

5 An improved method for synthesizing a double metal cyanide (DMC) catalyst includes combining a non-aqueous solution of a first metal salt, such as ZnBr_2 , with a non-aqueous solution of a second metal salt, such as CoBr_2 , and with a non-aqueous solution of an alkali metal cyanide, such as NaCN , in a single step to synthesize the DMC catalyst, $\text{Zn}_3[\text{Co}(\text{CN})_6]_2$.

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